

## SPECIFICATION AMENDMENTS

### In the Specification:

Please accept the following replacement paragraph of the specification, marked to show changes:

One page 1, replace the paragraph beginning on line 9 with the following paragraph:

JP The present invention relates generally to a method for producing electric and electronic components, such as coils, transformers, and ~~simple~~ single and multiple inductors. More particularly, the present invention relates to a method for producing electrically conductive windings for electric and electronic components.

On page 9, replace the paragraph beginning on line 10 with the following paragraph:

JP The container 1 has an inner space 3, which is open at the base, and a central through hole 5. A plurality of half-turns 78 (not shown in Fig. 1, but see Fig. 5), i.e., open turns, of electrically conductive laminar material, such as copper, are applied to the container 1. The half-turns have a thickness that is determined by the amount of current that will flow through the half-turns. In one embodiment, the thickness is between approximately 0.1 mm and 3 mm. In alternative embodiments, however, the thickness may vary.

On page 9, replace the paragraph beginning on line 16 with the following paragraph:

Fig. 3 shows a development in plan view of a sheet of conductive material cut to form a series of shaped segments 7 (twenty-four in the example illustrated) disposed in the shape of a dial, each connected at an outer radial end to a ring 9, and at an inner radial end to a ring 11. Each segment 7 (see Fig. 3A) includes a first rectangular portion 7A with a length  $H+S$ , a second trapezoidal intermediate portion 7B with a height  $D$ , and a third rectangular portion 7C, with a width smaller than the portion 7A, but with the same length  $(H+S)$ . The dimensions  $H$  and  $D$  correspond respectively to the height of the container 1 and to difference between the outer diameter of the latter and the inner diameter of the through hole 5, as shown in Fig. 4 ~~Figs. 1 and 2~~.

On page 10, replace the paragraph beginning on line 2 with the following paragraph:

The assembly of segments 7 is applied around the container 1, by folding at a right angle the portions 7A and 7C relative to the intermediate portion 7B, to obtain around the container 1 an arrangement of half-turns 8 in the shape of a "U", as can be seen in Fig. 4. By means of this operation, which can be carried out by means of a punch tool, the rings 9 and 11 are detached from the segments 7, and removed. The half-turns 8

formed by the folded segments 7 are stabilized on the container 1 by means of suitable resin bonding. The resin bonding can be carried out before completing punching of the ring 11 in order to retain the segments 7 in the correct position around the container 1.

On page 10, replace the paragraph beginning on line 20 with the following paragraph:

As already stated, the assembly of the half-turns 8 is resin-bonded onto the container 1, in order to obtain stability. For clarity, the resin bonding is not shown in the attached drawings. The container thus obtained is shown in Figs. 5 to 7.

On page 11, replace the paragraph beginning on line 17 with the following paragraph:

For example, in the left part of Fig. 9, there are shown in broken outline three connection tracks 24A, 24B, 24C, between the pads indicated as 23A, 23B, 23C, 25B, 25C, 25D. More specifically, the tracks 24A, 24B, 24C connect to one another in pairs the pads 23A-25B, 23B-25C, 23C-25D. When the component 21 is applied to the circuit produced on the board 22, the pads 23, 25 are connected to one another by individual half-turns 8 with homologous pairs, i.e.: 23A-25A, 23B-25B, 23C-25C, 23D-25D. By this means, the tracks 24A, 24B, 24C join the half-turns 8 which are

AS  
connected to the pads 23A-23D and 25A-25D in series, forming a single winding of three complete turns in series.

On page 15, replace the paragraph beginning on line 12 with the following paragraph:

JB  
Figs. 13 and 14 show an embodiment of an intermediate support 26 with soldering pads ~~24~~23, 25 and contacts 28. Contacts 28 may be used to form a mechanical and electrical connection between the intermediate support and the printed circuit. In Fig. 13, the intermediate support 26 is shown in isolation, whereas Fig. 14 also shows the container 1 mounted on the latter.

On page 17, replace the paragraph beginning on line 9 with the following paragraph:

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The exploded view in Fig. 20 illustrates the method of assembly of a third embodiment of the present invention produced with the half-turns 8 in Figs. 16 and 17 and with the container in Figs. 18 and 19. The half-turns 8 are inserted individually in the seats delimited by the lateral ribs 1E of each panel 1B that form the container 1 and the tabs 7F (see Fig. 17) are inserted in the corresponding recesses 1F. By this means, each half-turn 8 remains correctly in its own position. A cover 2 and/or resin bonding may be used in order to stabilize the half-turns on the container 1. This embodiment

a<sup>1</sup> also includes a ferro-magnetic core 15, a board 22 (or, alternatively, an intermediate support 26 for vertical mounting), and conductive tracks 24 that complete the turns.

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